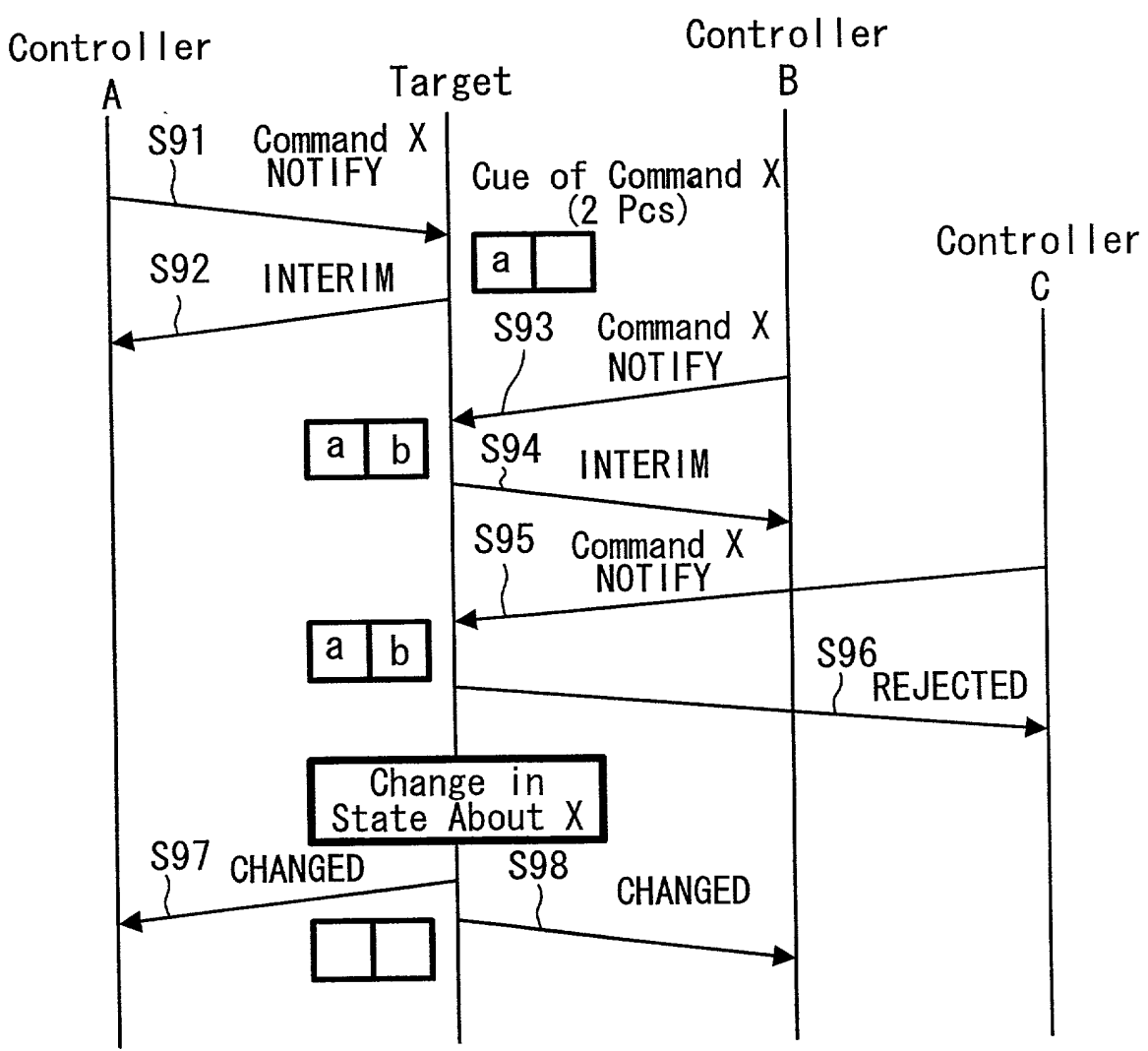
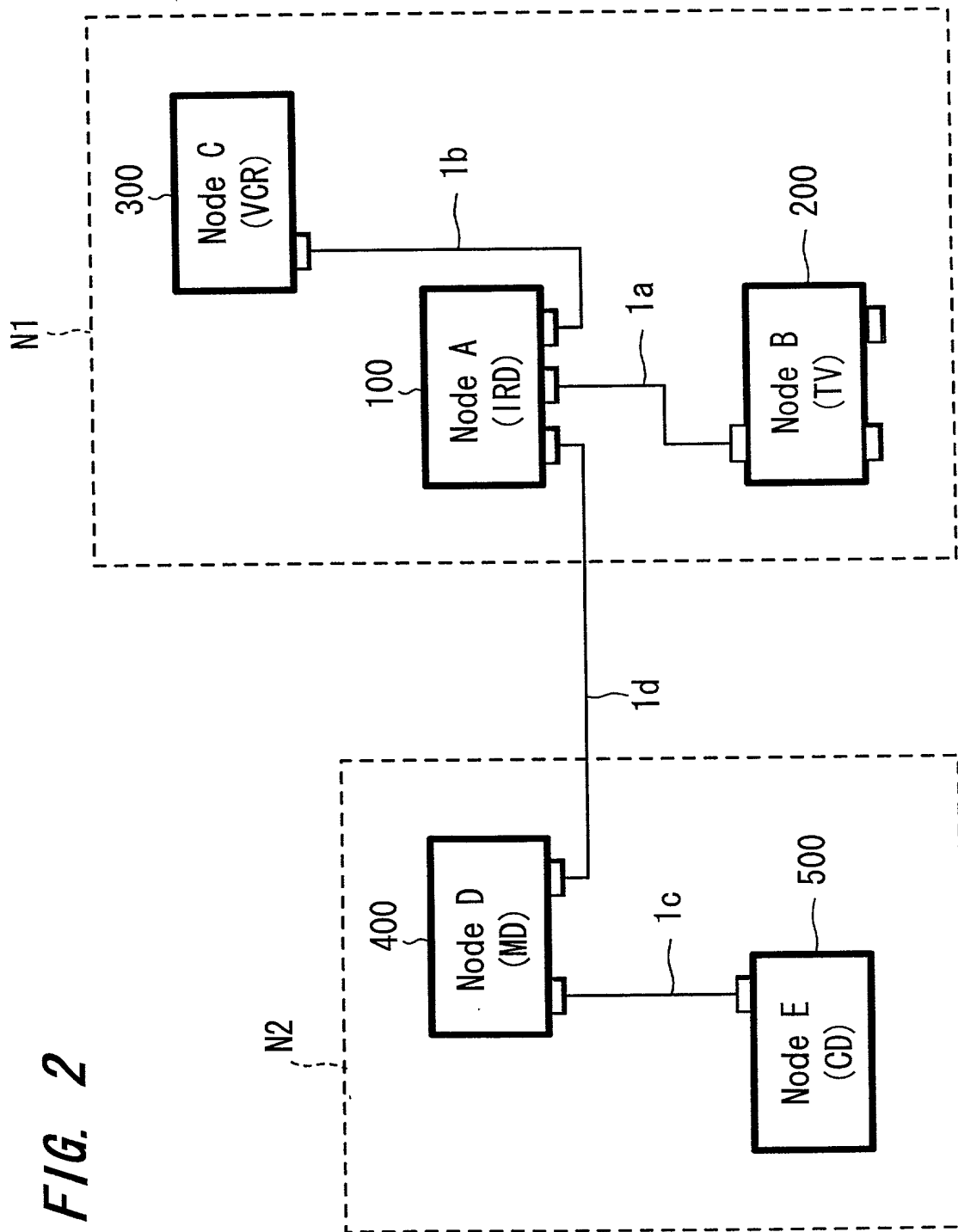


FIG. 1



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FIG. 2



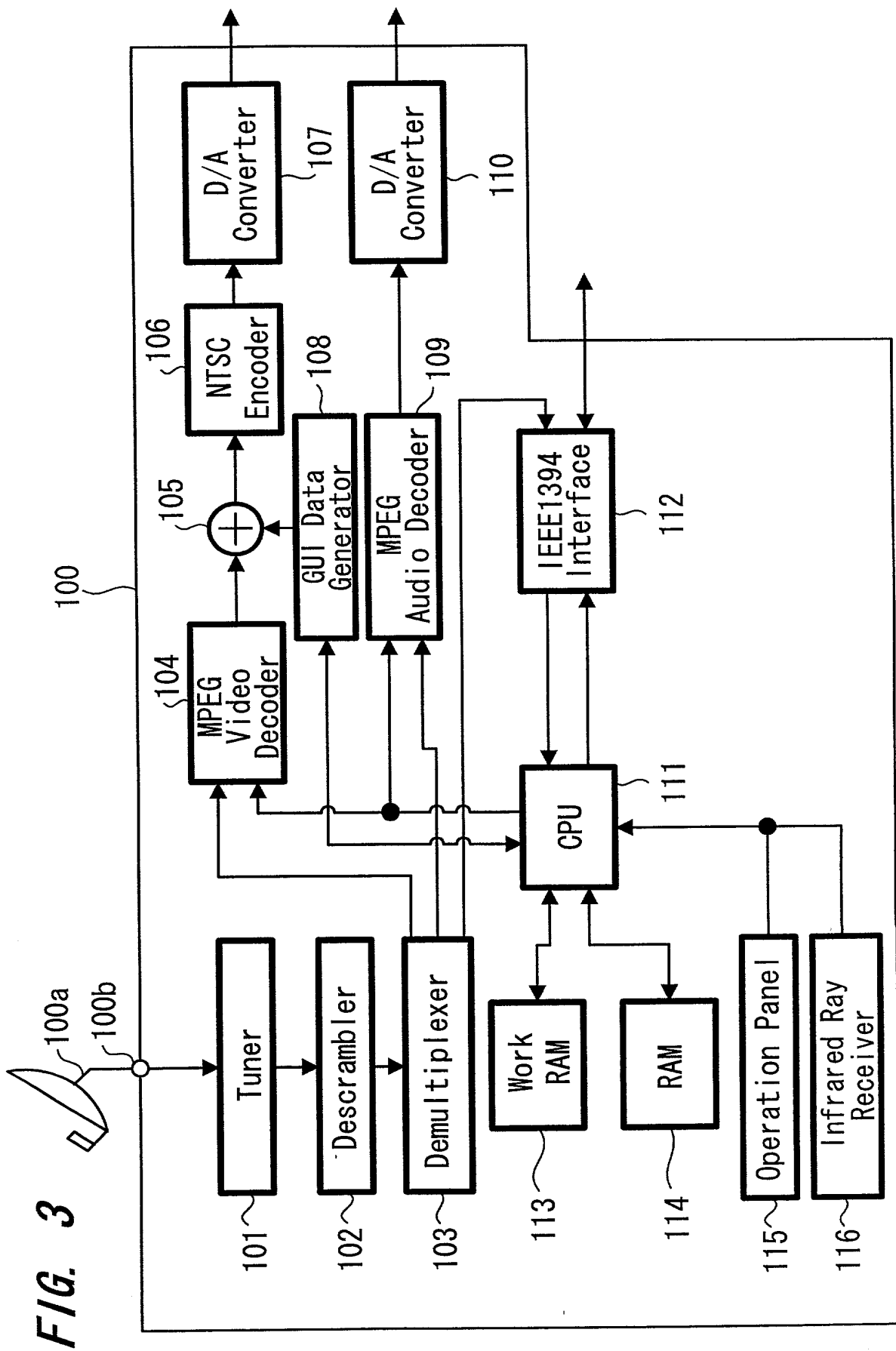


FIG. 4

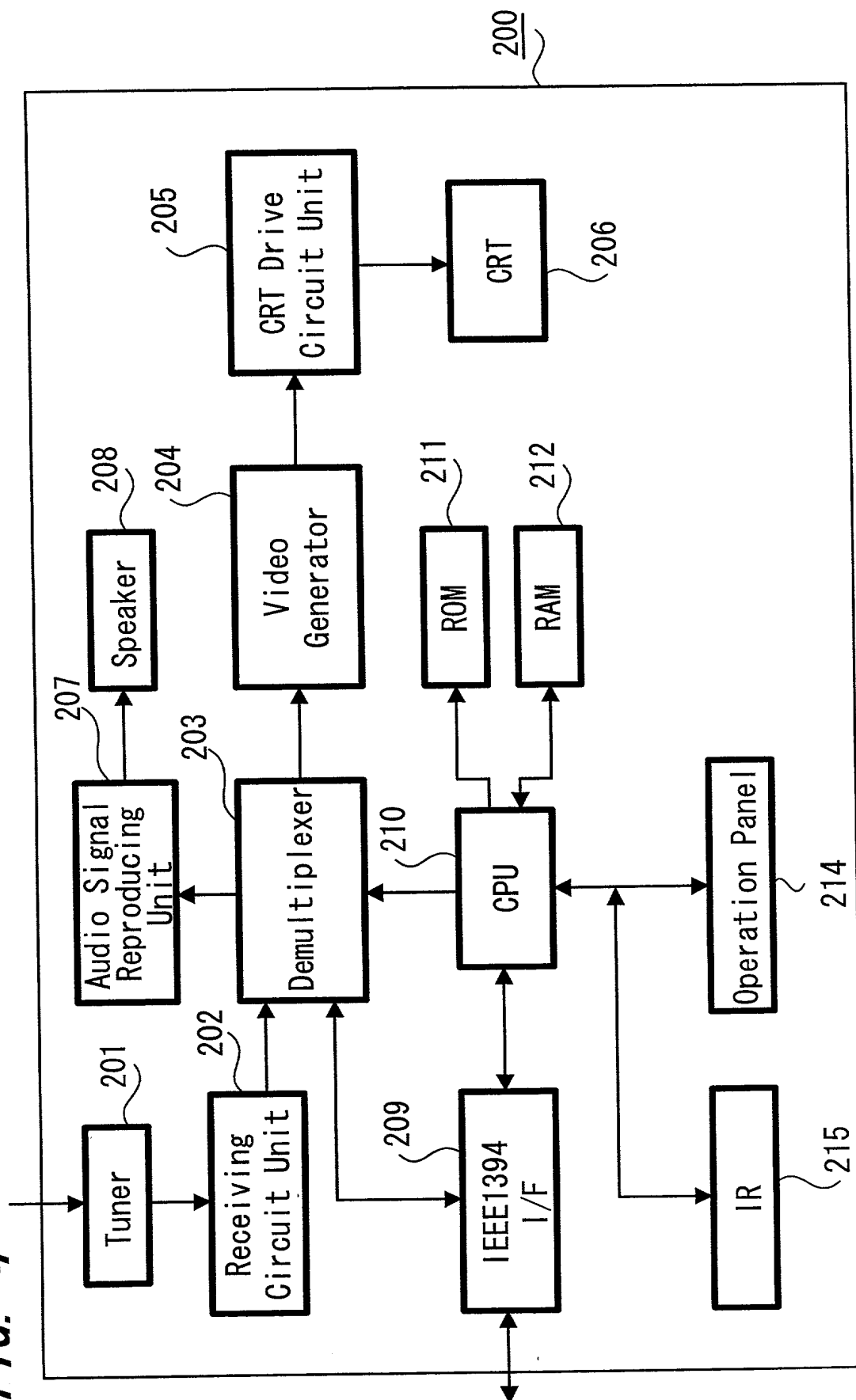
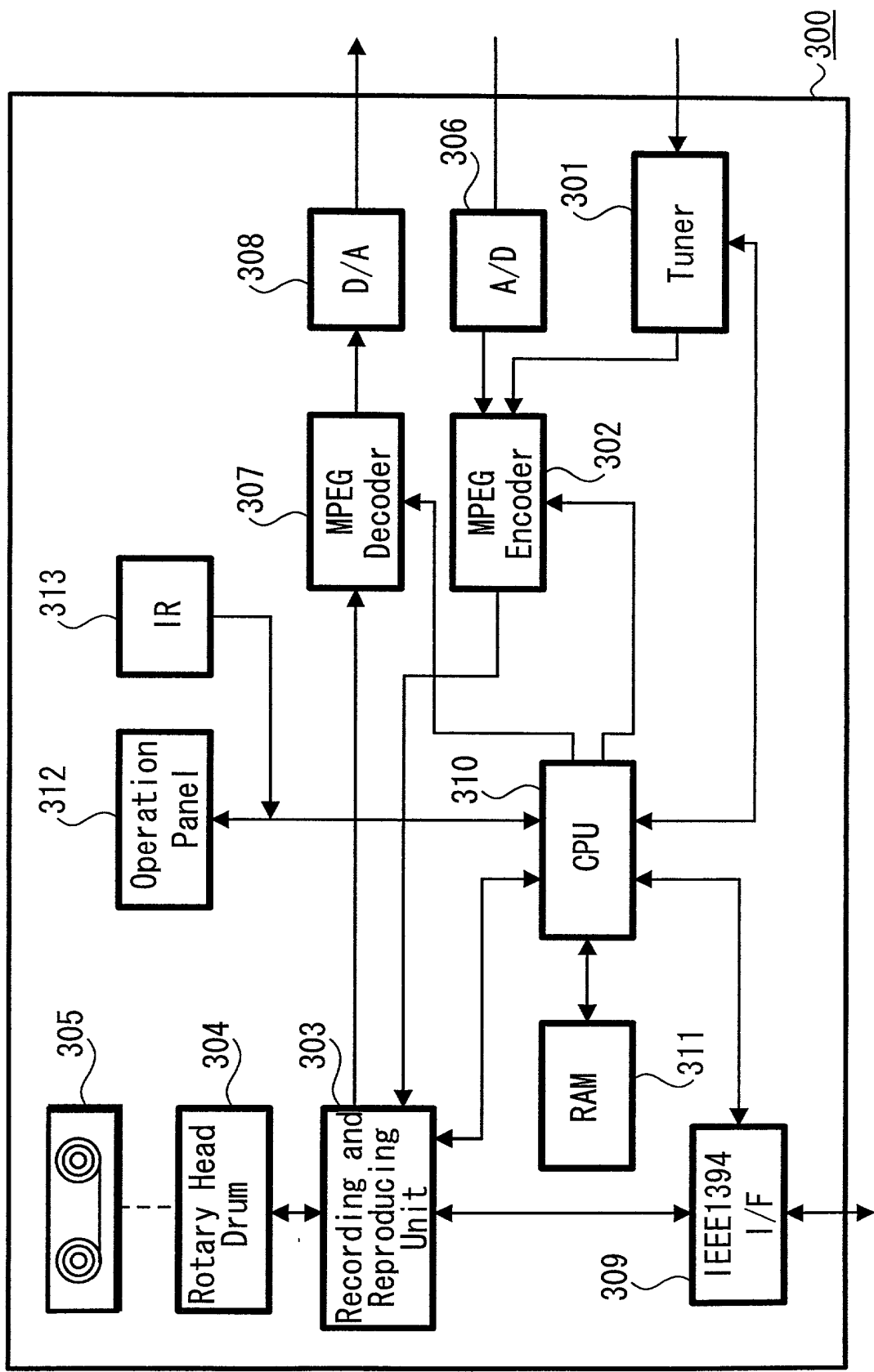


FIG. 5



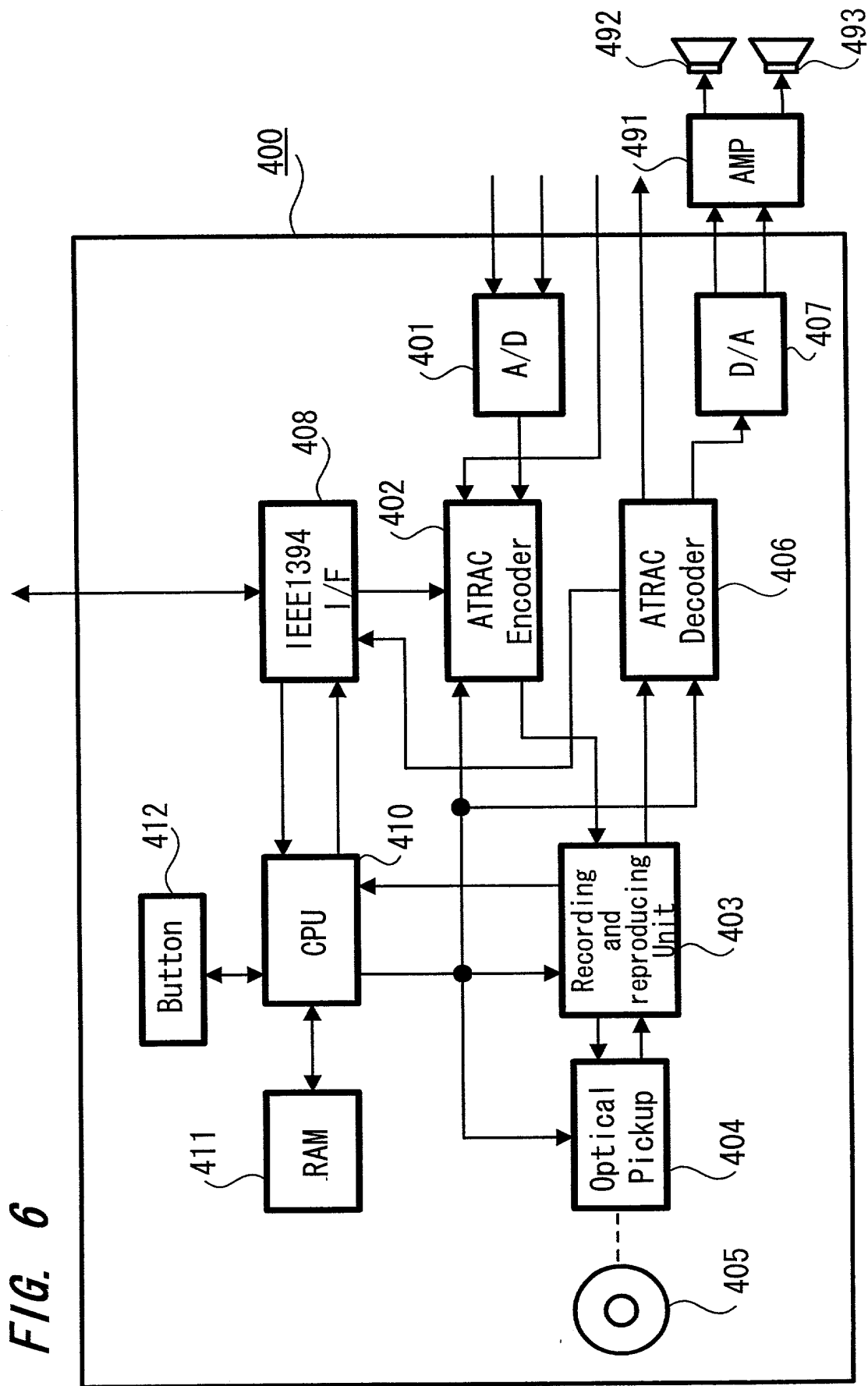


FIG. 7

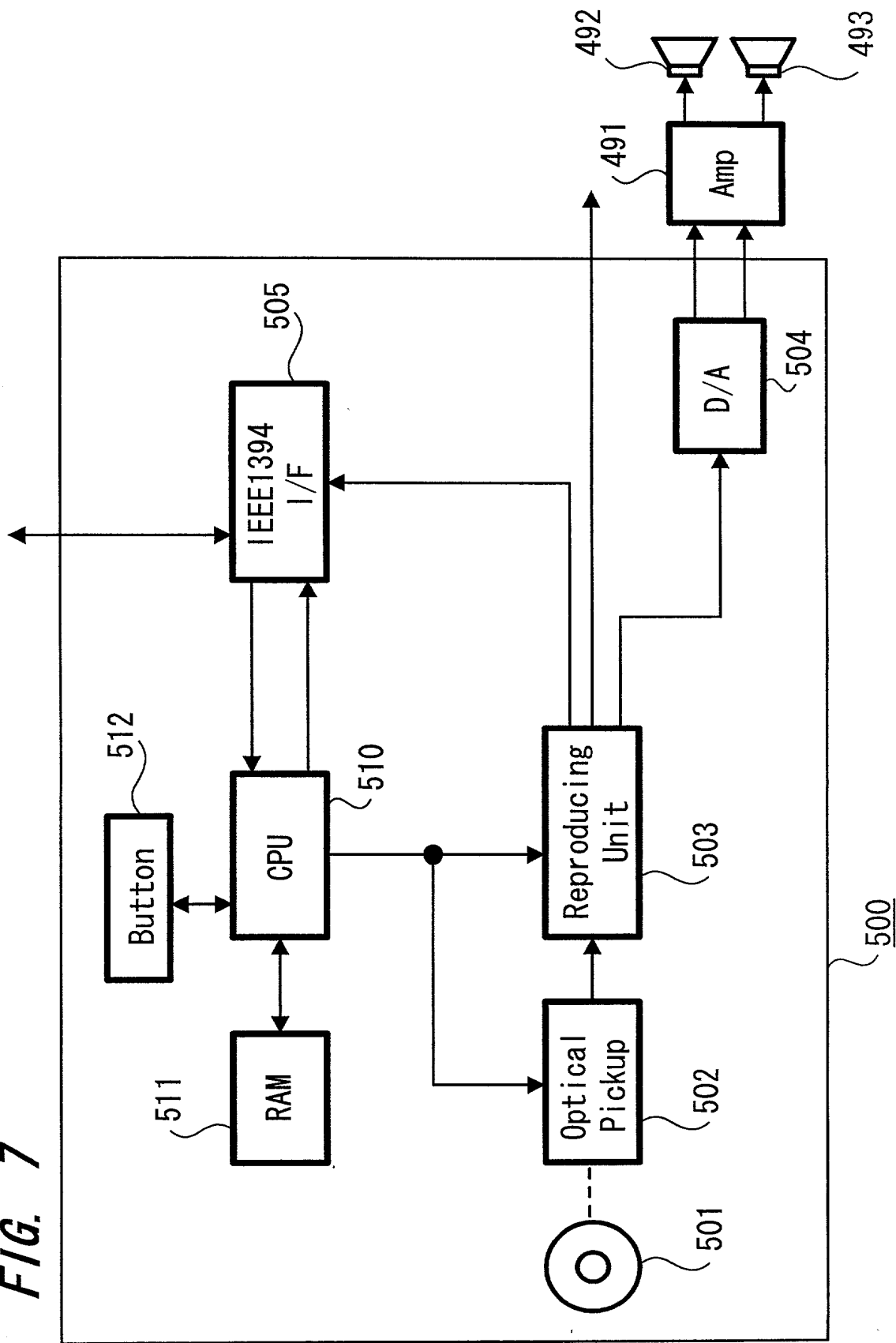


FIG. 8

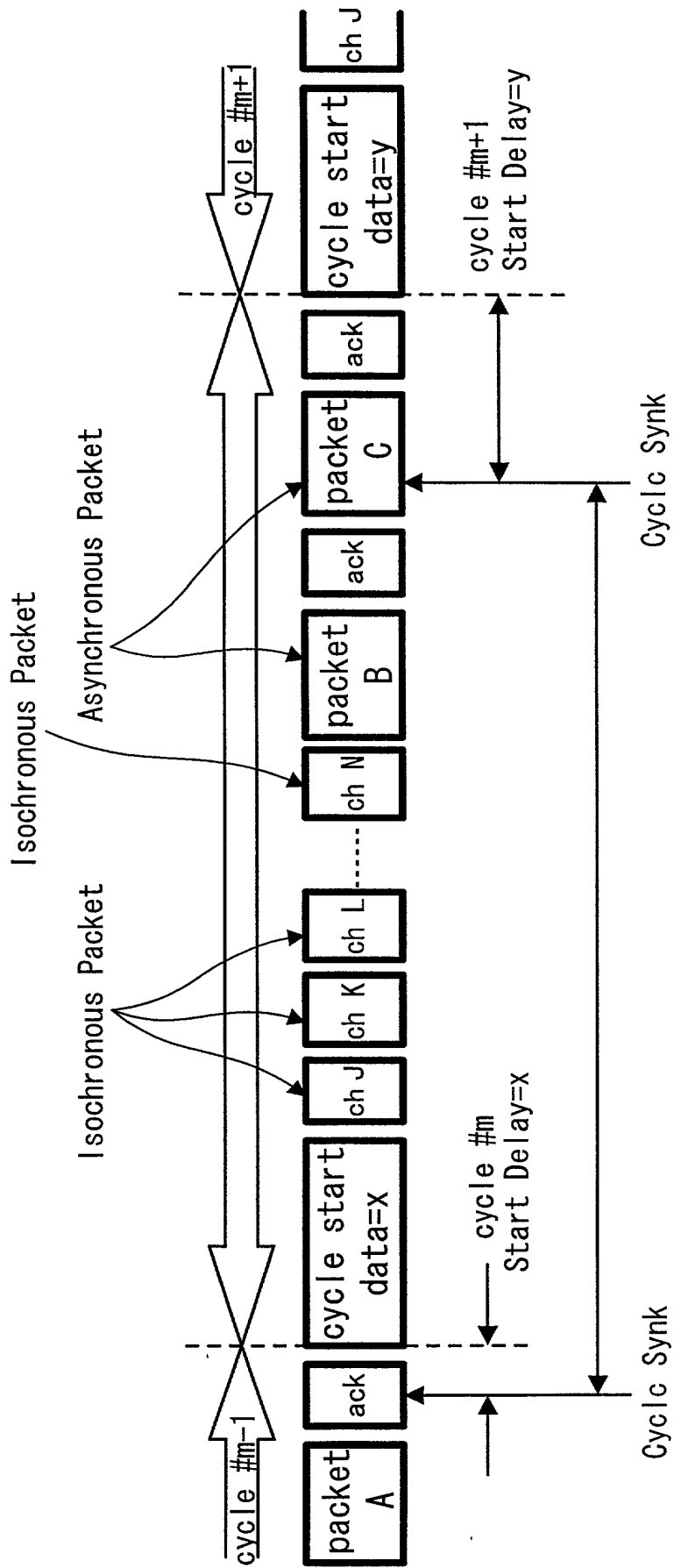


FIG. 9

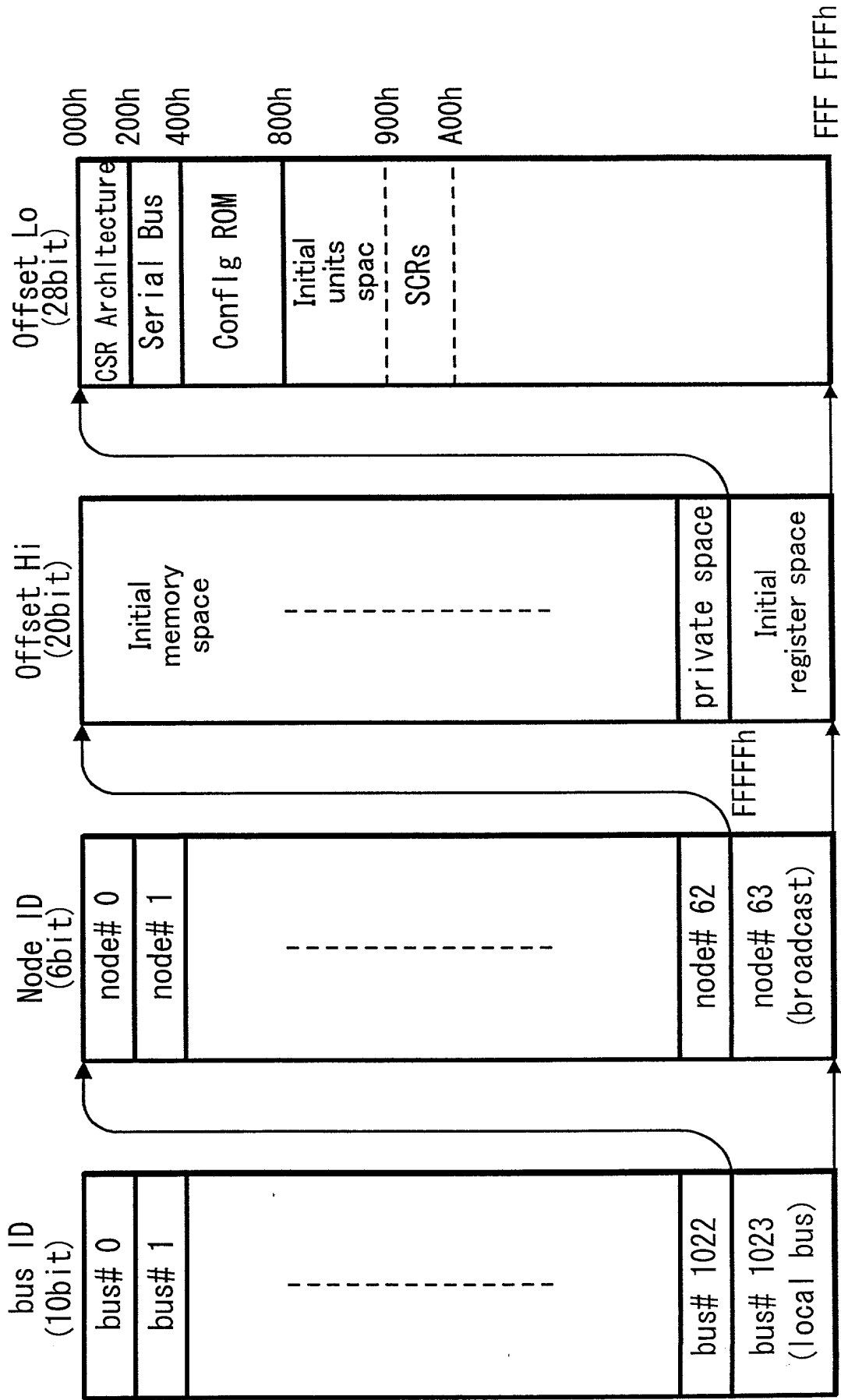


FIG. 10

Offset	Designation	Function
000h	STATE_CLEAR	State and control information
004h	STATE_SET	Setting of state_clear bit
008h	NODE_IDS	Indicates node ID of 16 bits
00Ch	RESET_START	Starts command reset
018h-01Ch	SPLIT_TIMEOUT	Specifies maximum time of split
200h	CYCLE_TIME	Cycle time
210h	BUSY_TIMEOUT	Specifies limit of retry
21Ch	BUS_MANAGER	Indicate ID of bus manager
220h	BANDWIDTH_AVAILABLE	Indicates band to be assigned in isochronous communication
224h-228h	CHANNELS_AVAILABLE	Indicates state of each channel

FIG. 12

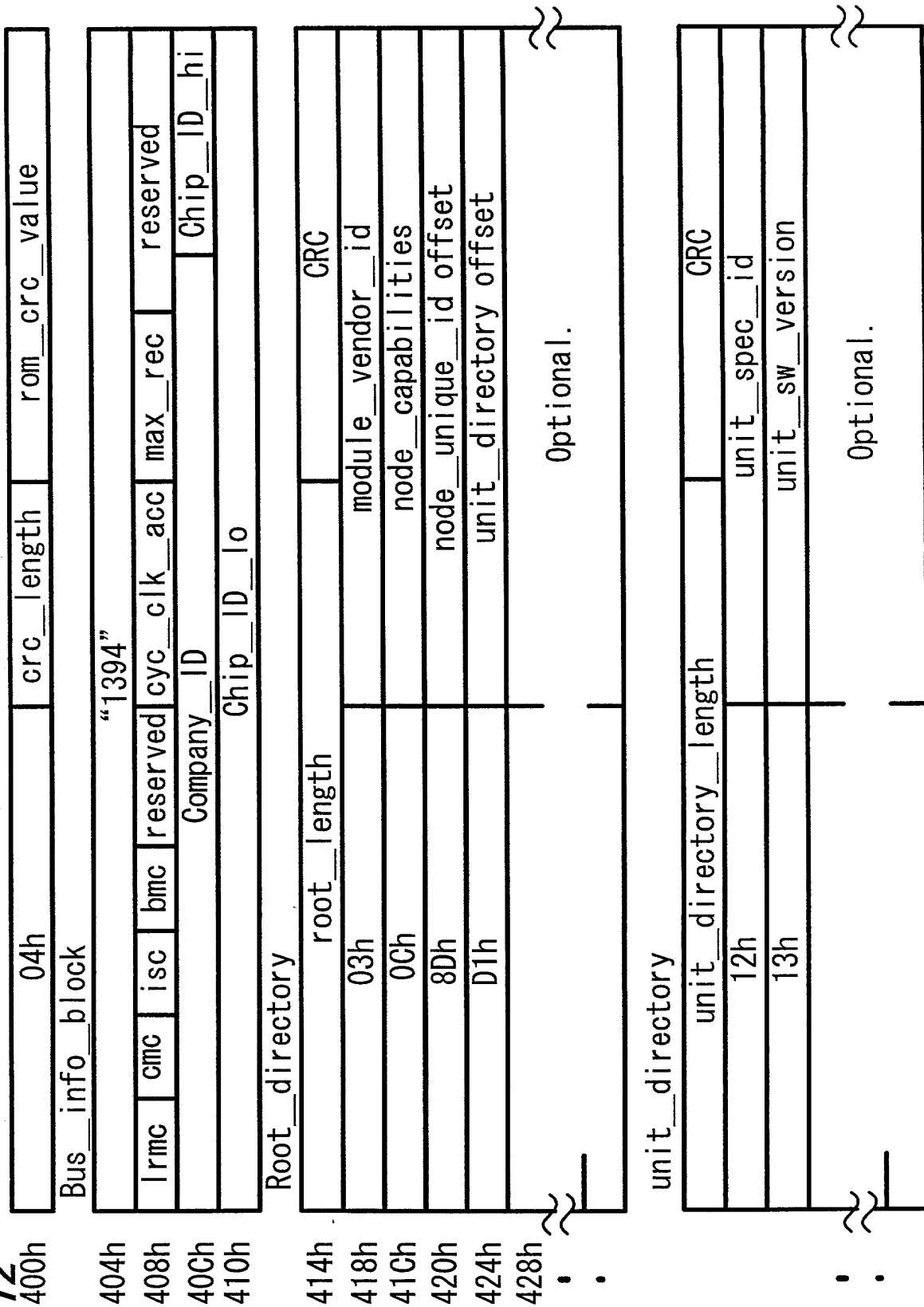


FIG. 11

Info__length	info__length	crc__length	rom__crc__value
	bus__info__block		
	root__directory		
	unit__directories		
	root & unit leaves		

FIG. 13

900h	Output Master Plug Register
904h	Output Plug Control Register #0
⋮	Output Plug Control Register #1
⋮	⋮
97Ch	Output Plug Control Register #30
980h	Input Master Plug Register
984h	Input Plug Control Register #0
988h	Input Plug Control Register #1
⋮	⋮
9FCh	Input Plug Control Register #30

FIG. 14A

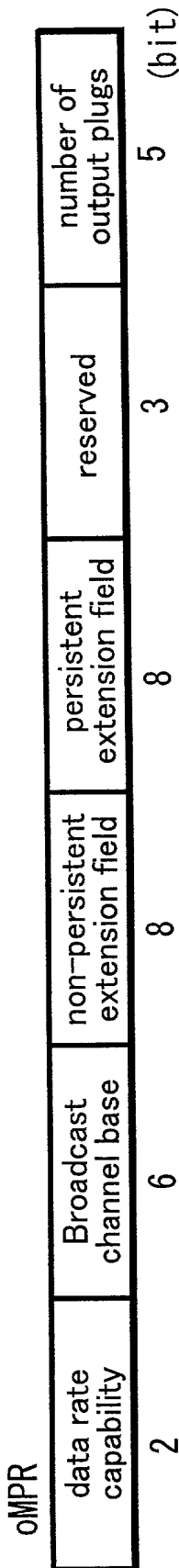


FIG. 14B

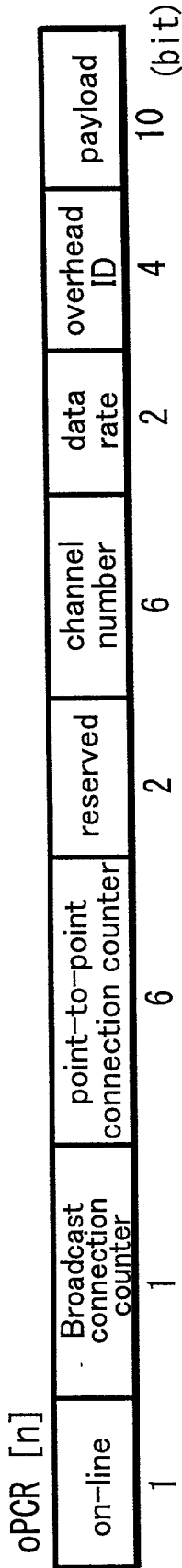


FIG. 14C

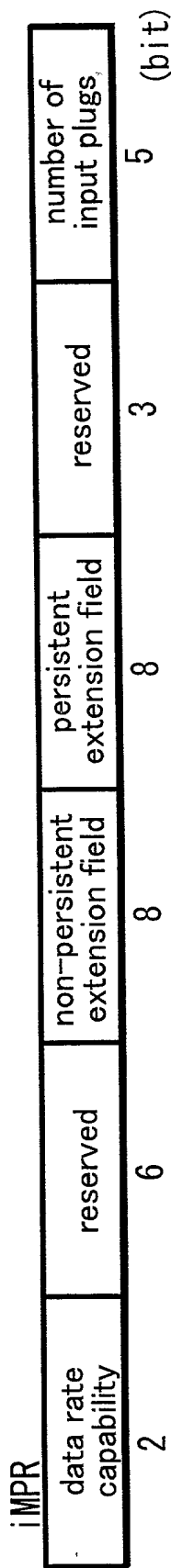
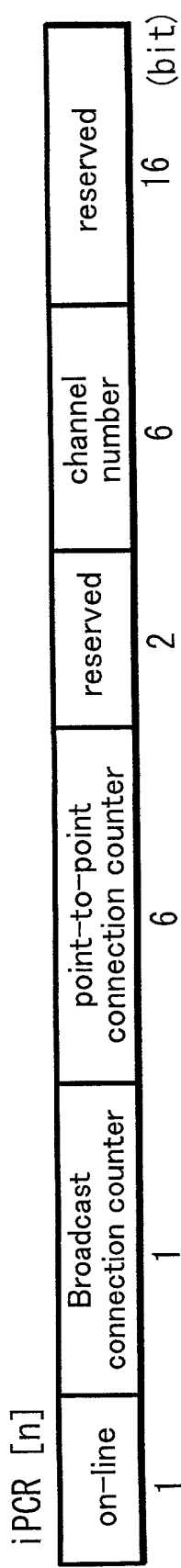


FIG. 14D



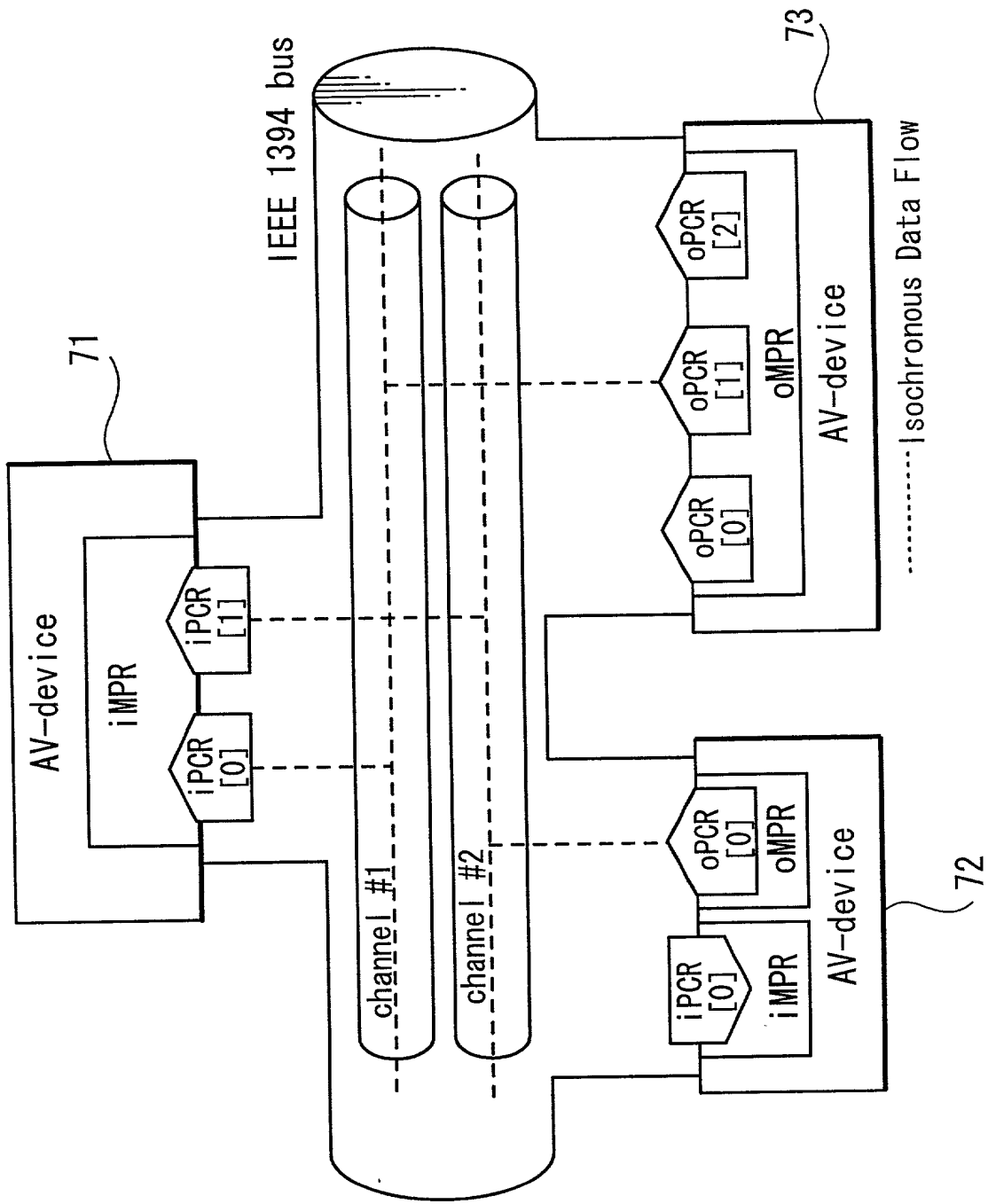


FIG. 16

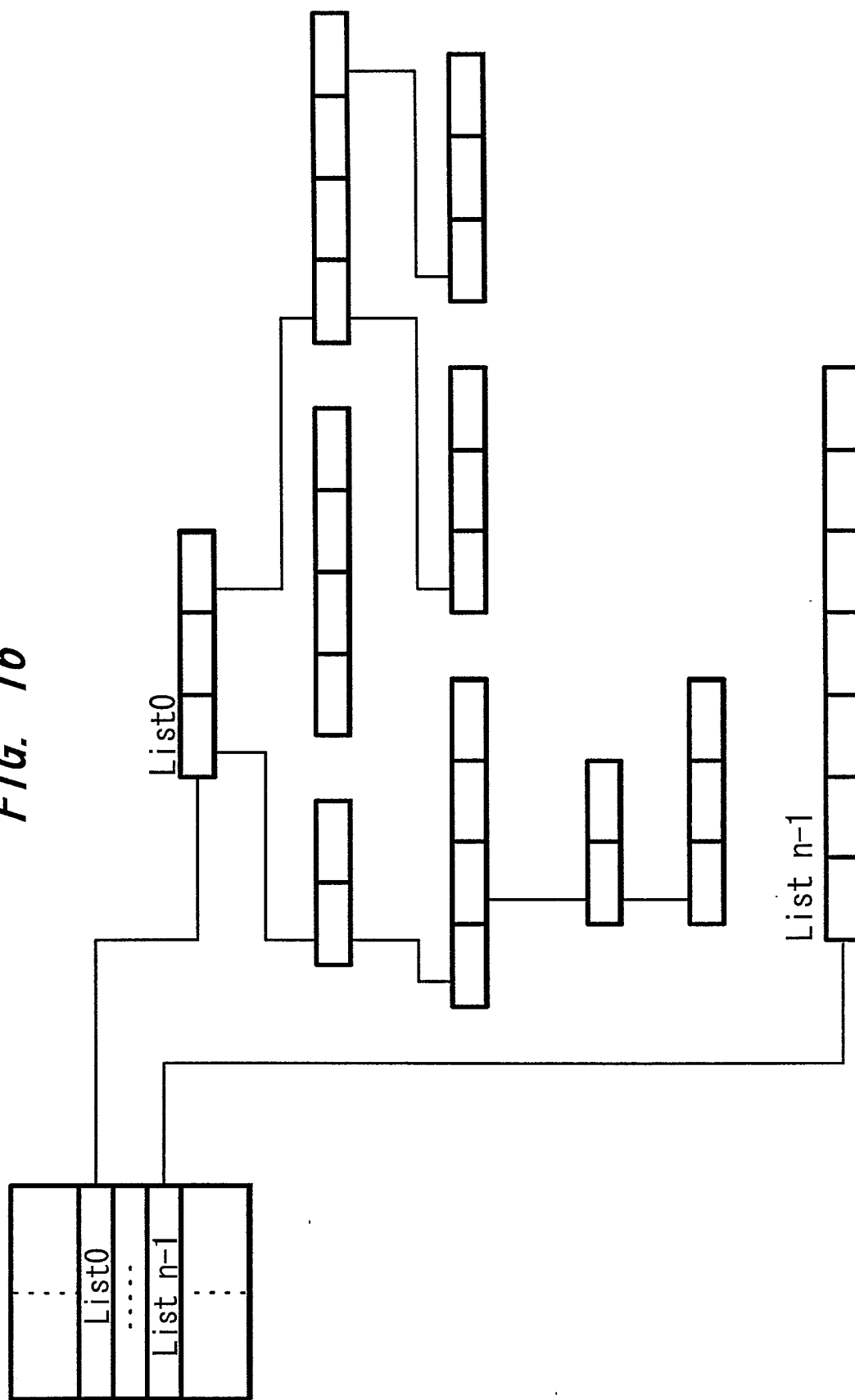


FIG. 17

The General Subunit Identifier Descriptor	
address	contents
00 00 ₁₆	descriptor__length
00 01 ₁₆	
00 02 ₁₆	generation__ID
00 03 ₁₆	size__of__list__ID
00 04 ₁₆	size__of__object__ID
00 05 ₁₆	size__of__object__position
00 06 ₁₆	number__of__root__object__lists(n)
00 07 ₁₆	
00 08 ₁₆	root__object__list__ID__0
:	
:	:
:	root__object__list__ID__n-1
:	
:	subunit__dependent__length
:	
:	subunit__dependent__information
:	
:	manufacturer__dependent__length
:	
:	manufacturer__dependent__information
:	
:	

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FIG. 18

generation__ID values	
generation__ID	meaning
00 ₁₆	Data structures and command sets as specified in the AV/C General Specification, version 3.0
all others	reserved for future specification

FIG. 19

List ID Value Assignment Ranges	
range of values	list definition
0000 ₁₆ –0FFF ₁₆	reserved
1000 ₁₆ –3FFF ₁₆	subunit-type dependent
4000 ₁₆ –FFFF ₁₆	reserved
1 000 ₁₆ –max list ID value	subunit-type dependent

FIG. 20

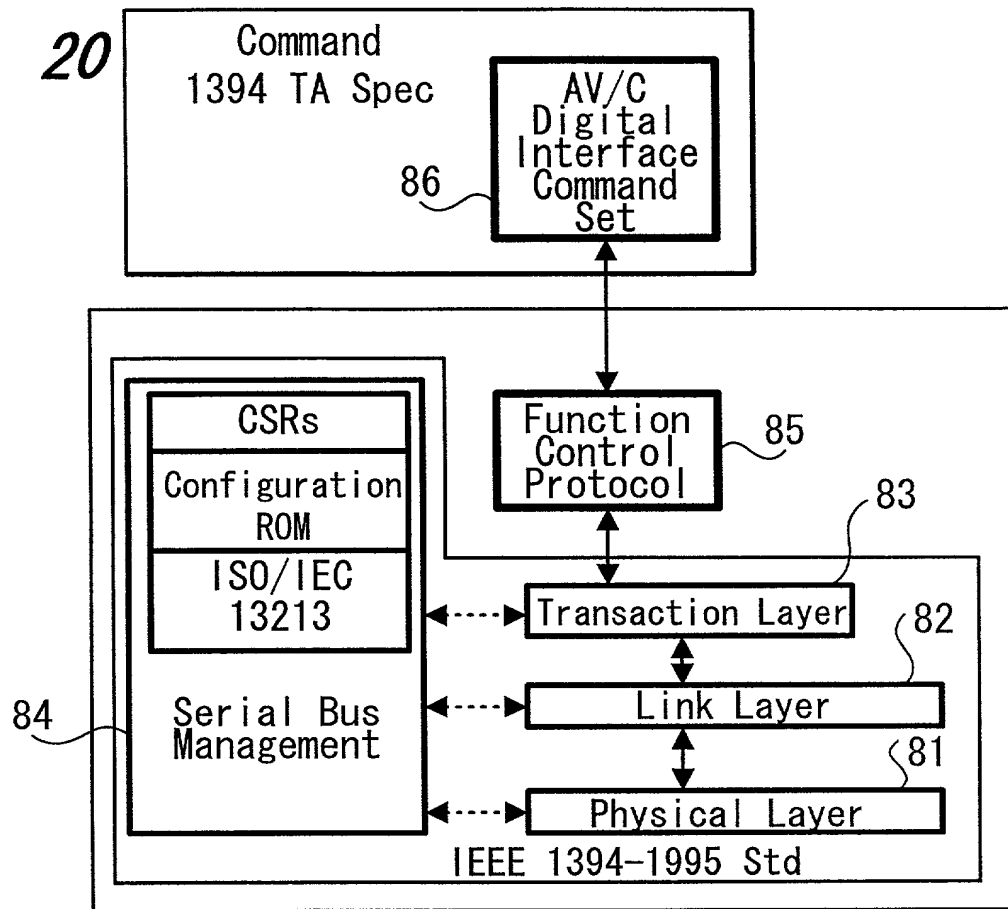


FIG. 21

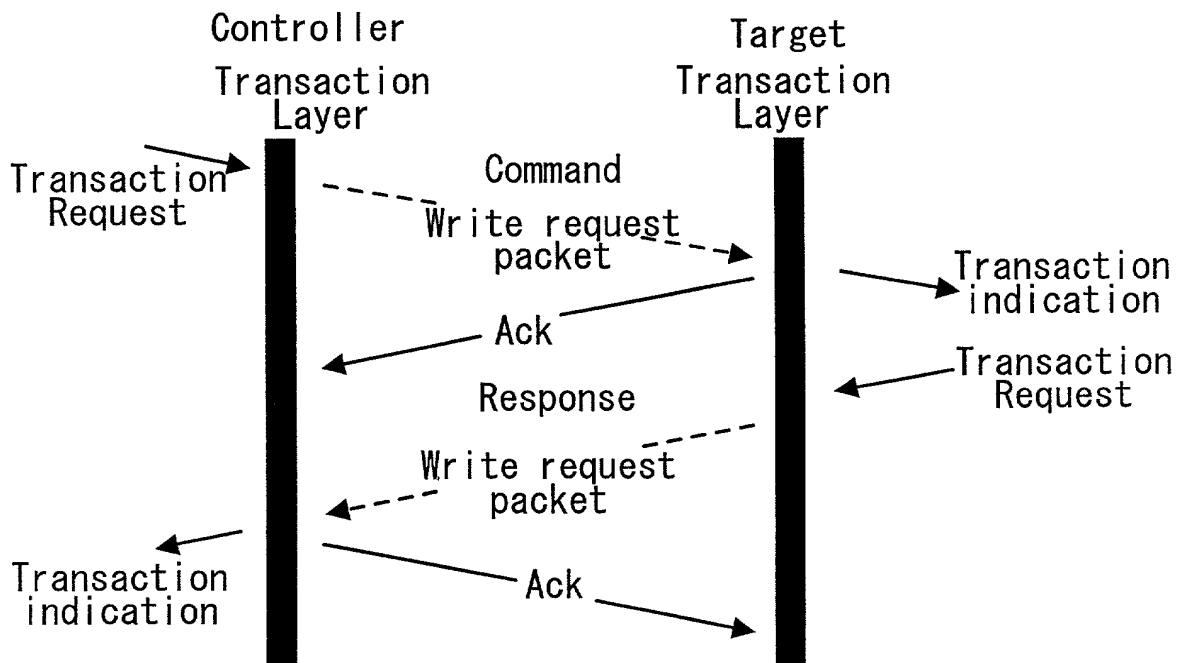


FIG. 22

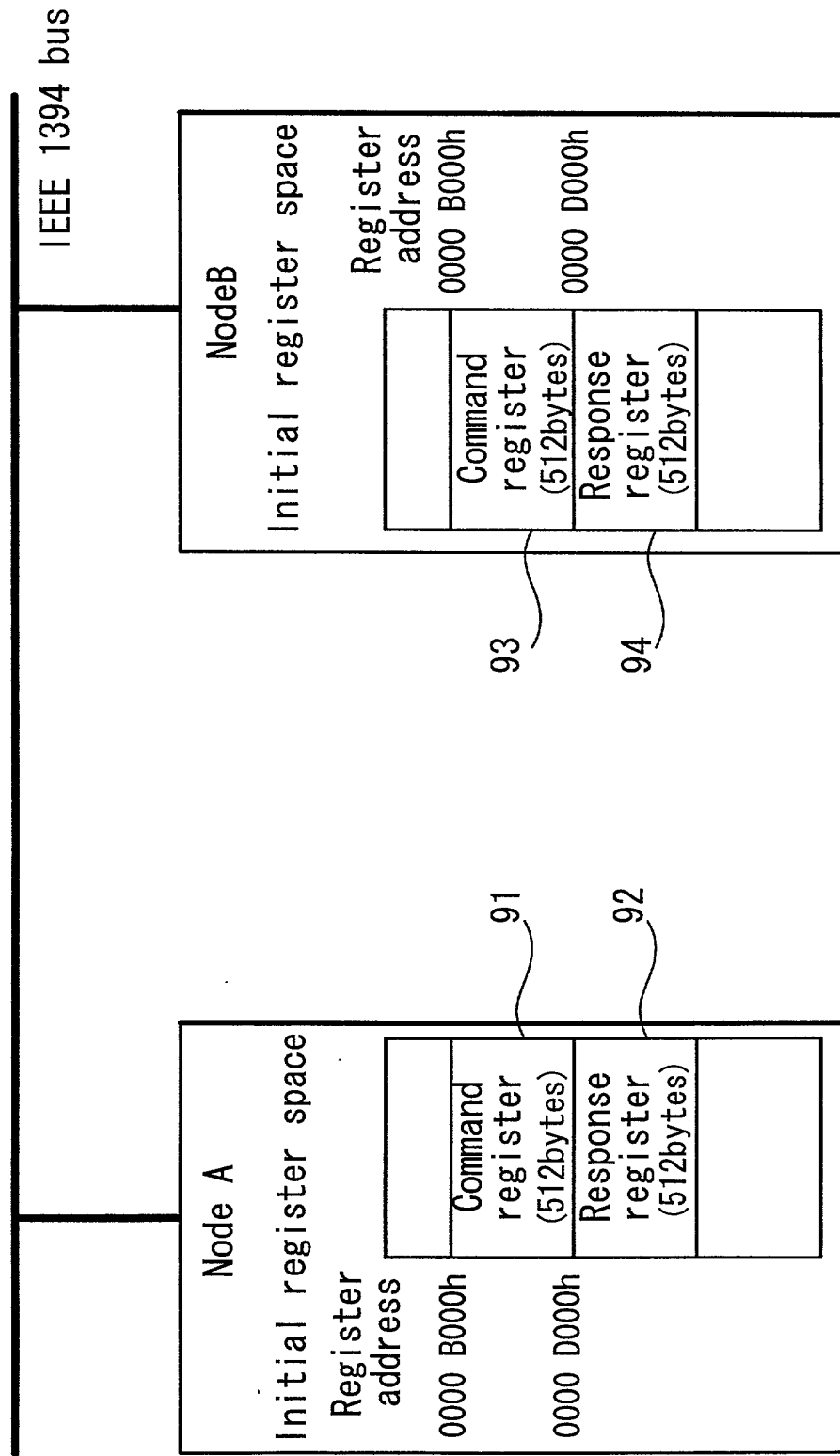
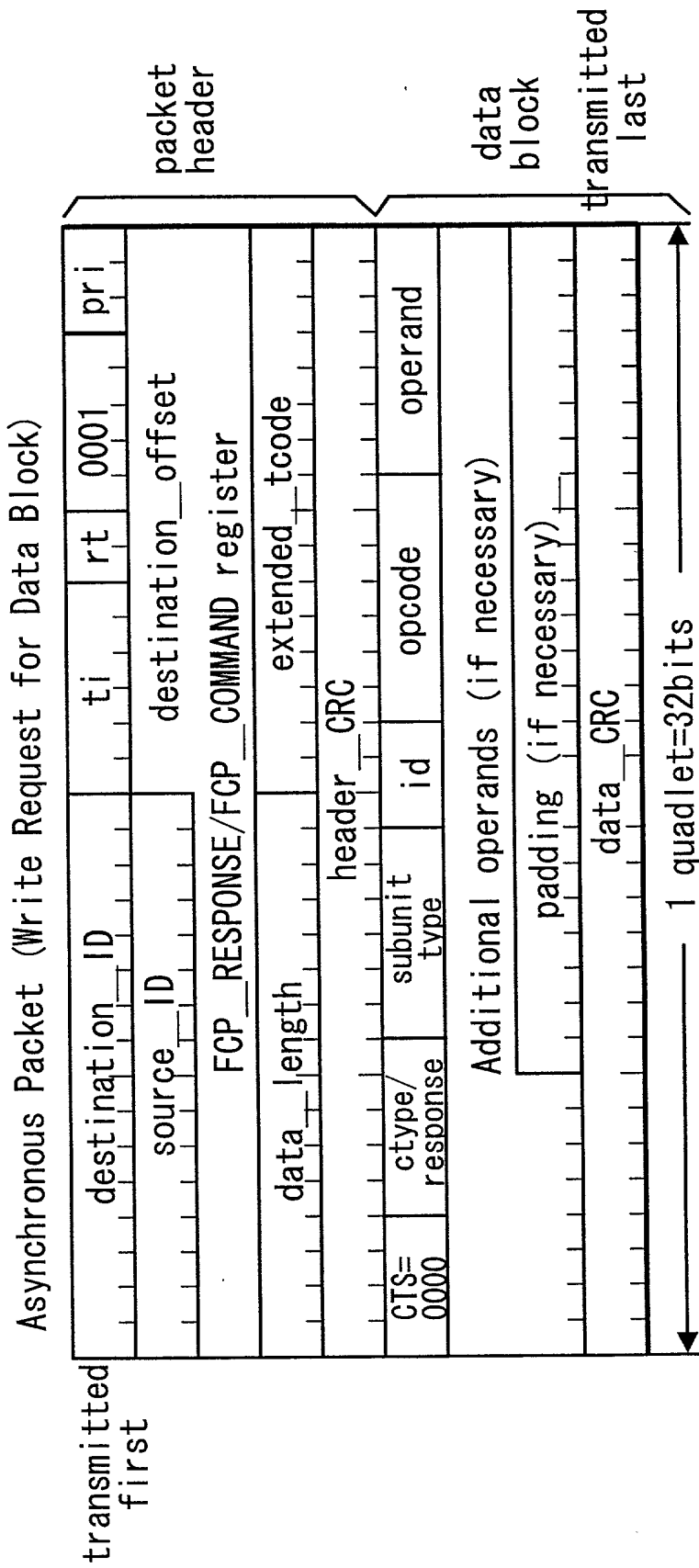


FIG. 23



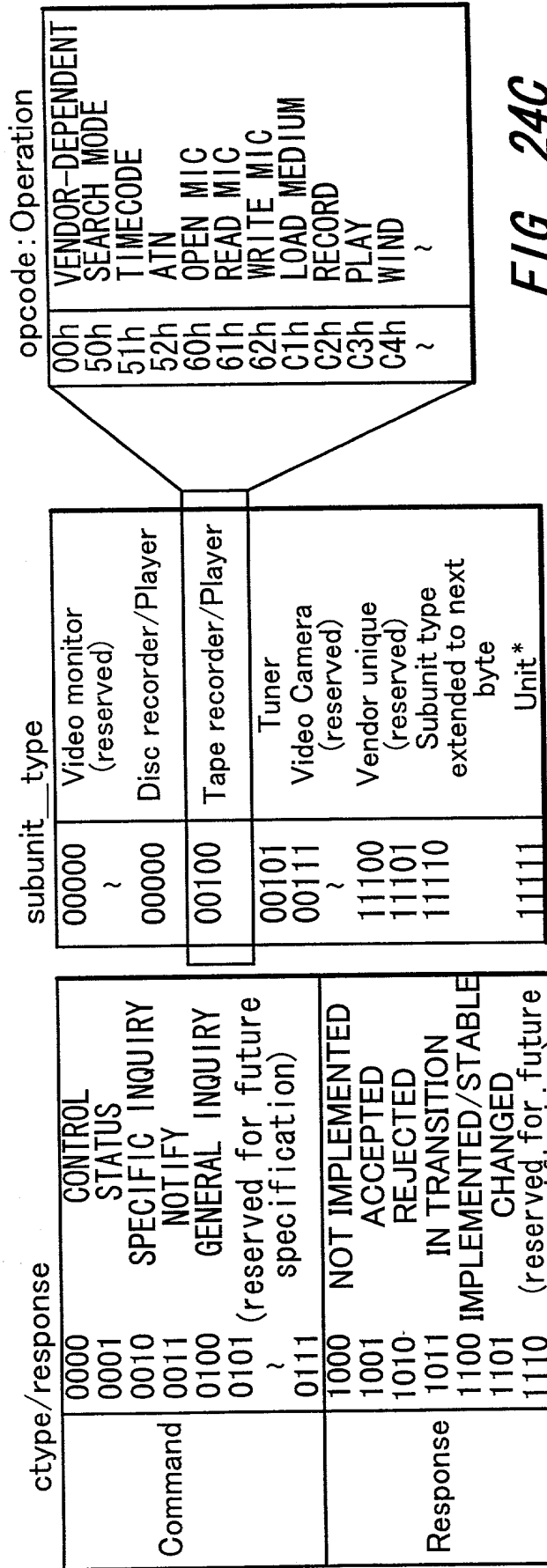


FIG. 24C

FIG. 24B

FIG. 24A

in the

tape recorder /player

case

of ID0

AV/C control

PLAY

FORWARD

FIG. 25A

CTS=0000	cctype=0000	subunit type=00100	id=000	opcode=C3h	operand=75h
----------	-------------	--------------------	--------	------------	-------------

in the

tape recorder /player

case

of ID0

AV/C accepted

PLAY

FORWARD

FIG. 25B

CTS=0000	response=1001	subunit type=00100	id=000	opcode=C3h	operand=75h
----------	---------------	--------------------	--------	------------	-------------

FIG. 26

data__length		tag (01)	channel	tcode (A)	sy
source__CRC					
source__ID		specifier__ID__hi (1394TA)			
__lo		Version (FCP)			
cts (AV/C)	respons CHANGED	unit/subunit	opcode	operand	
more operands (if necessary)					

Zero pad bytes (if necessary)					
data__CRC					

FIG. 27

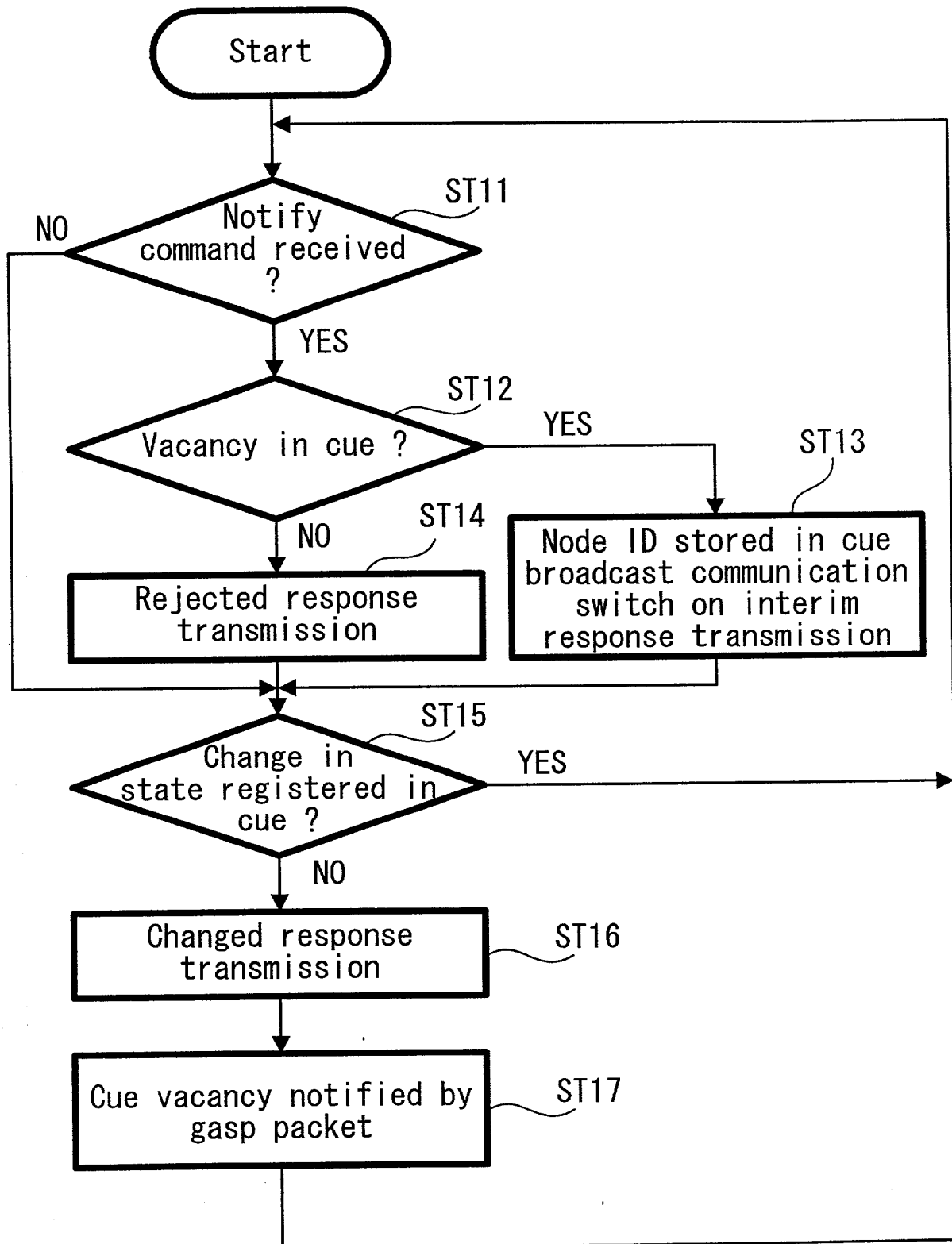


FIG. 28

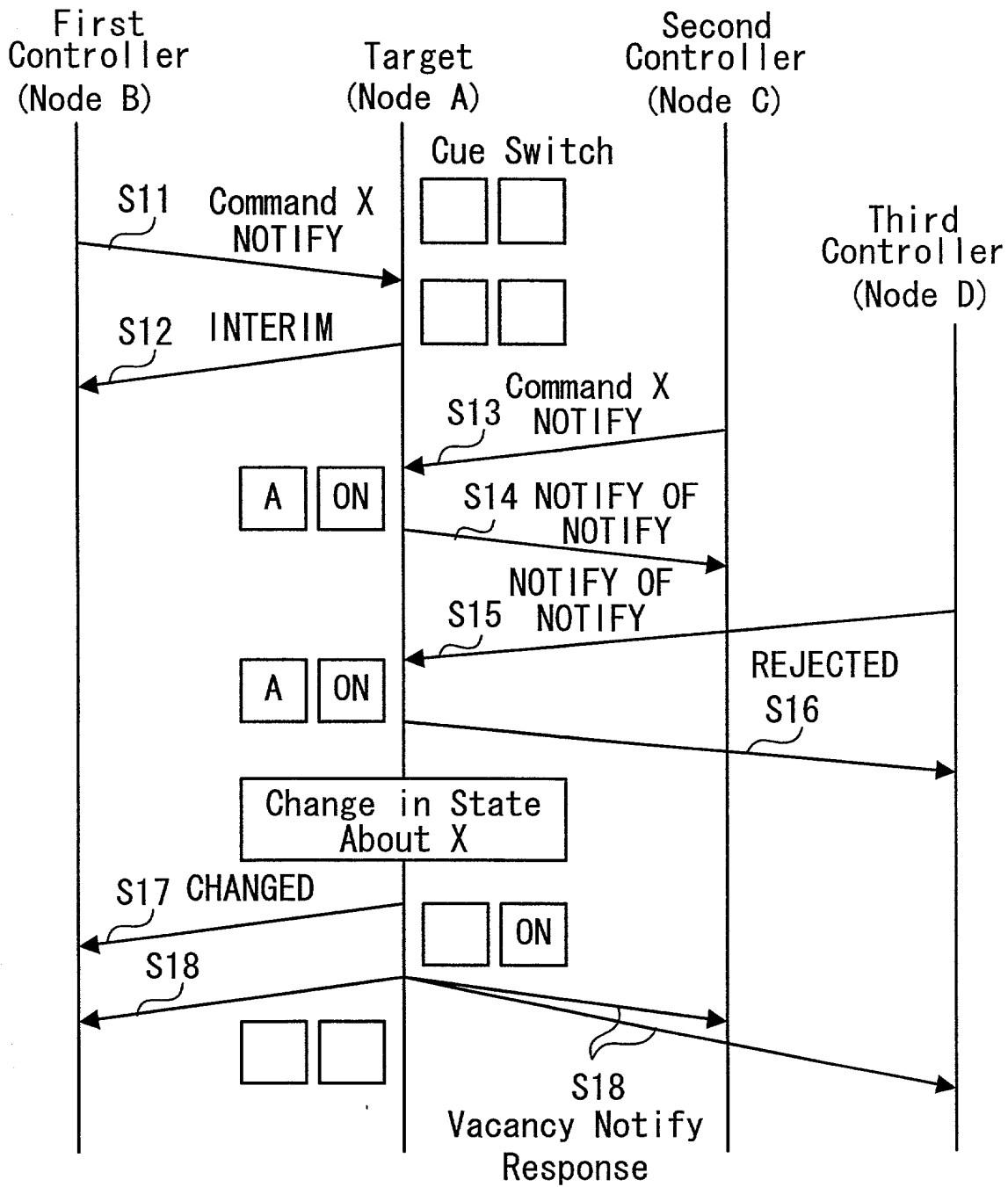


FIG. 28

FIG. 29

ctype/response

Command	0000	CONTROL
	0001	STATUS
	0010	SPECIFIC INQUIRY
	0011	NOTIFY
	0100	GENERIC INQUIRY
	0101	NOTIFY OF NOTIFY
	0111	(RESERVED)
Response	1000	NOT IMPLEMENTED
	1001	ACCEPTED
	1010	REJECTED
	1011	IN TRANSIT
	1100	IMPLEMENTED/STABLE
	1101	CHANGED
	1110	(RESERVED)
	1111	INTERIM

FIG. 30

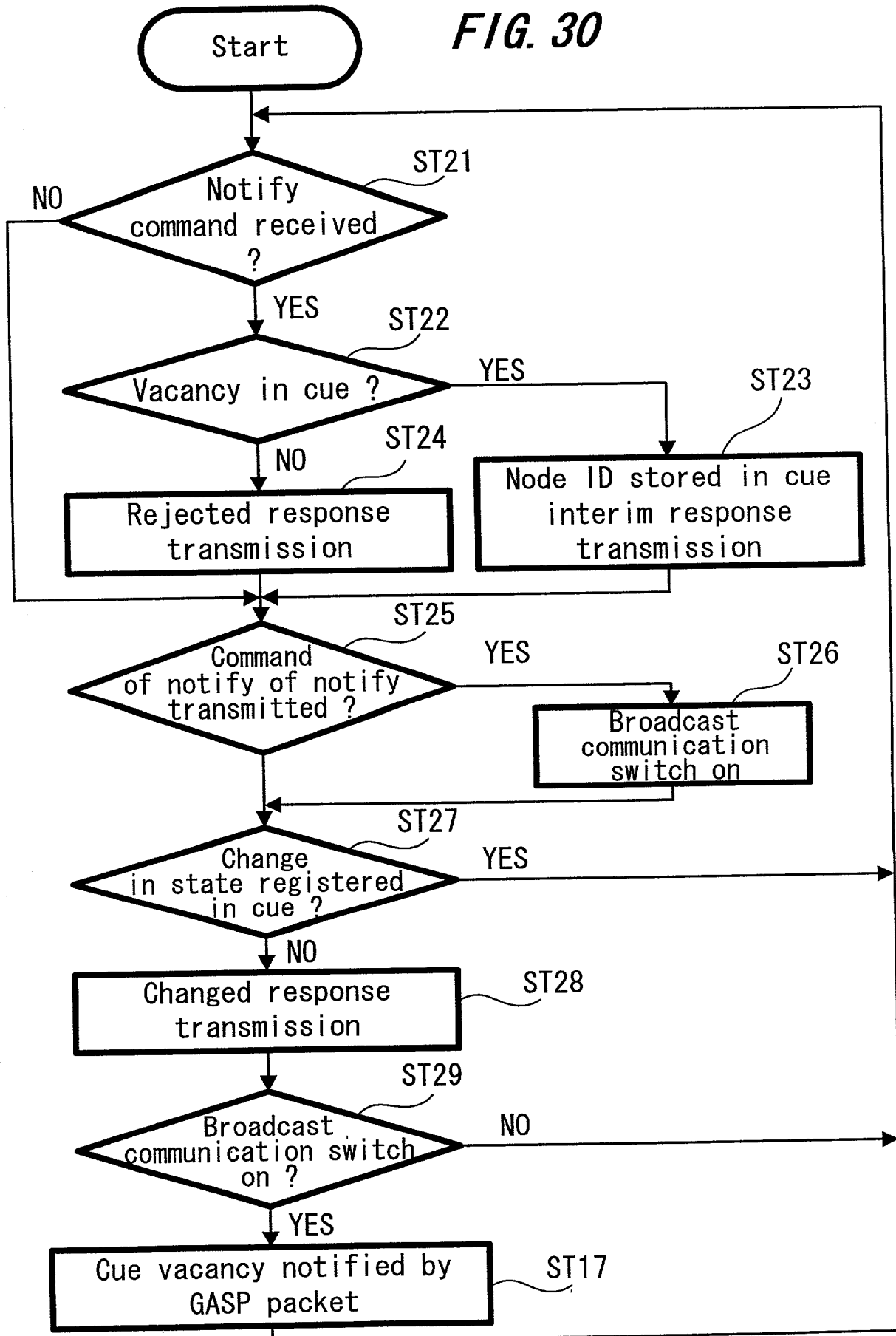


FIG. 31

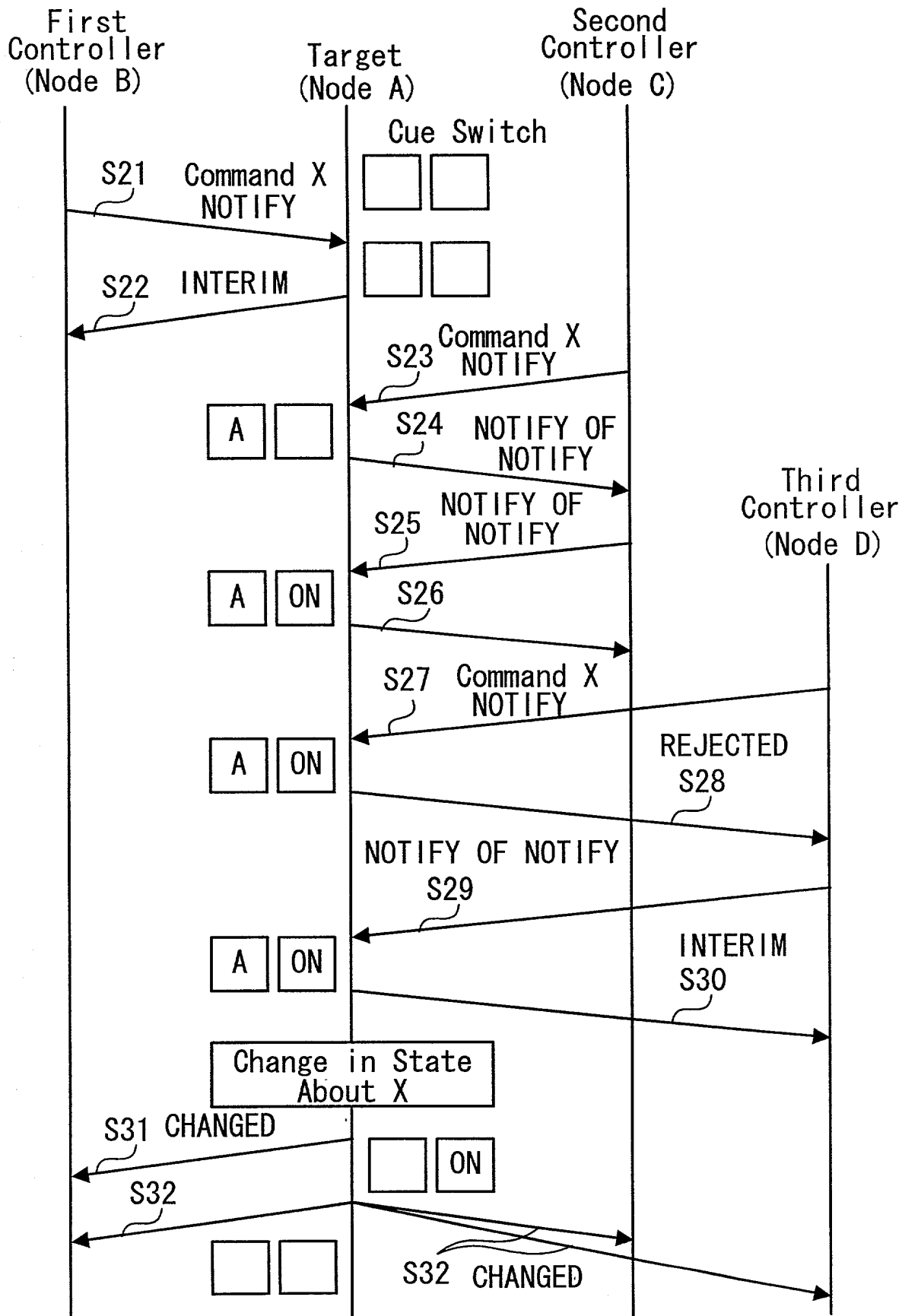
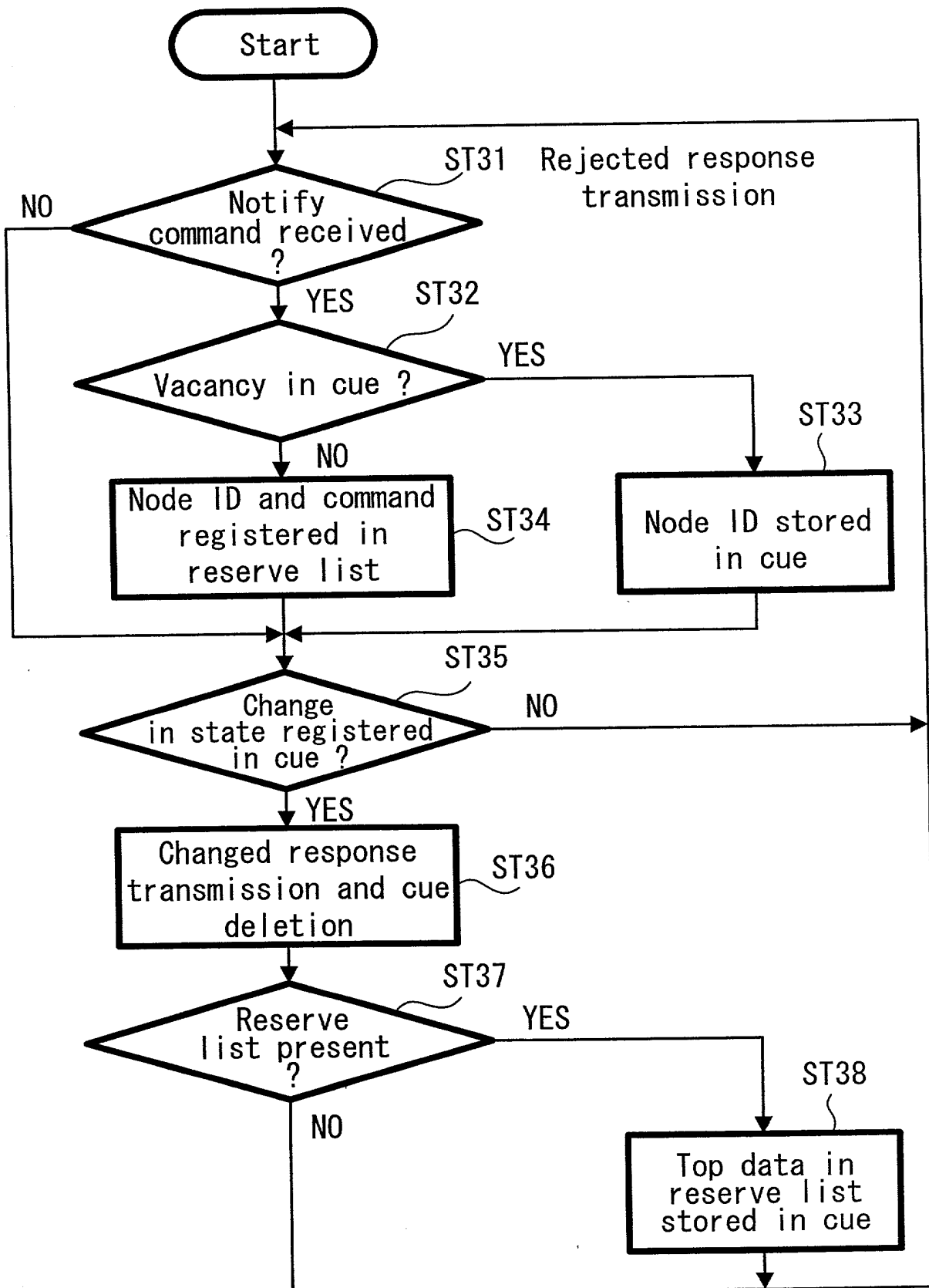


FIG. 31

FIG. 32



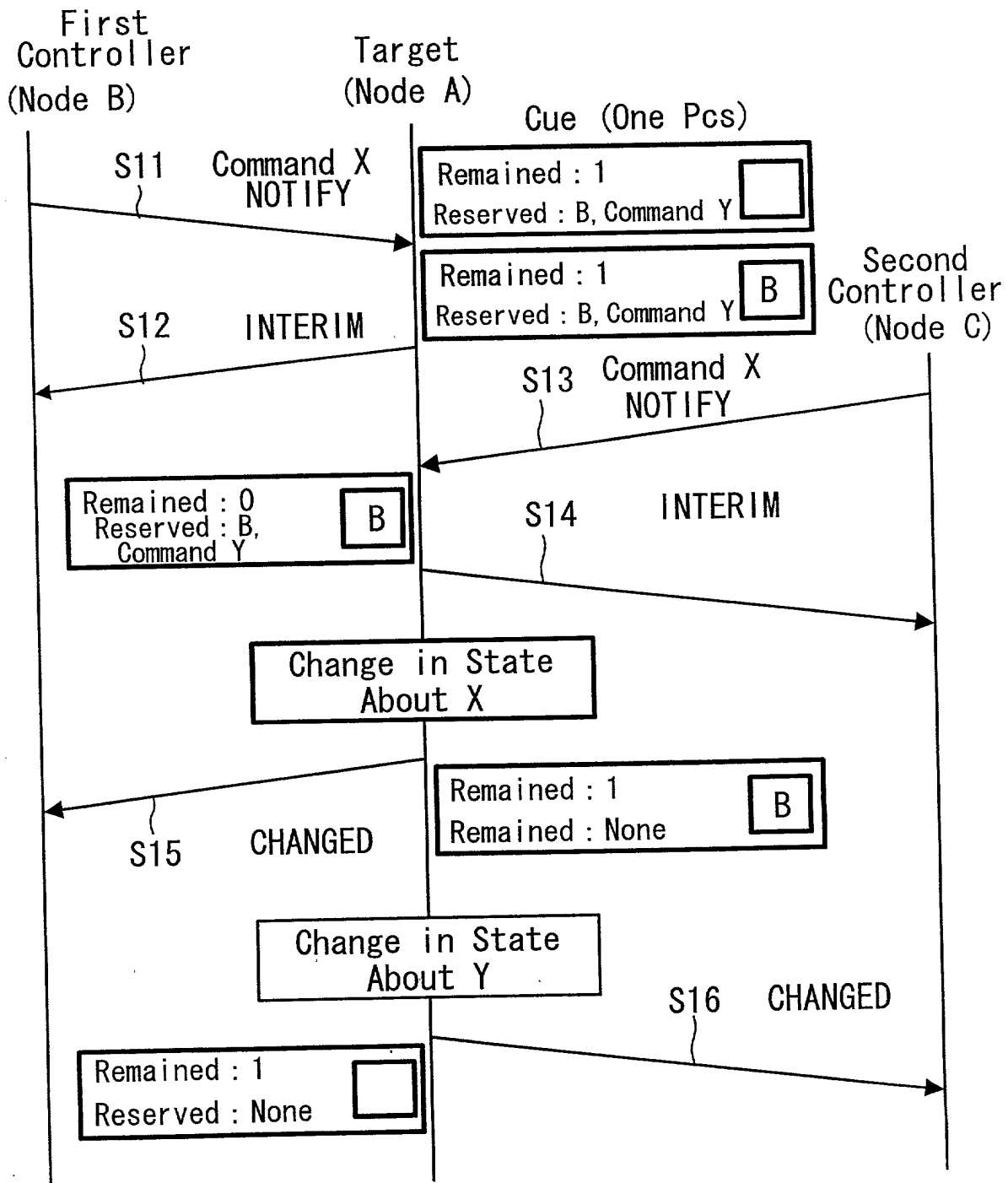
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FIG. 33

Node ID	COMMAND
Node C	COMMAND Y
Node D	COMMAND Z
⋮	⋮

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FIG. 34



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